Congruent – Have the same measure.

Complementary – Add up to 90o.

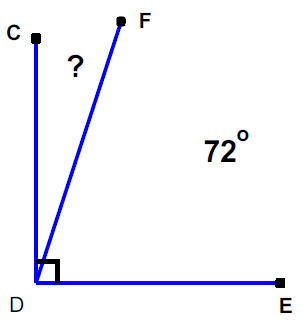
Supplementary – Add to 180o.

Adjacent – Two angles that share a side.

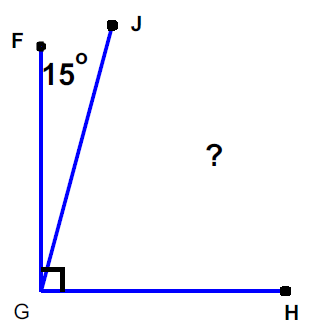
Vertical – When two lines cross, opposite angles are congruent.



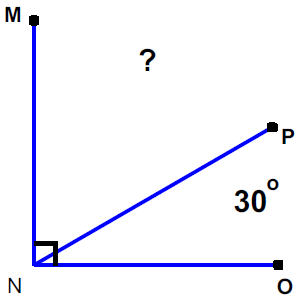
90 – 44 = 46o



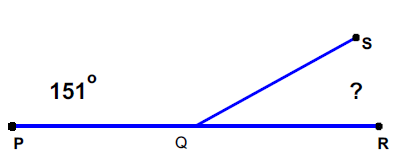
90 – 72 = 18o



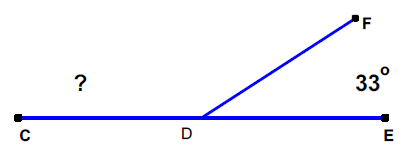
90 – 15 = 75o



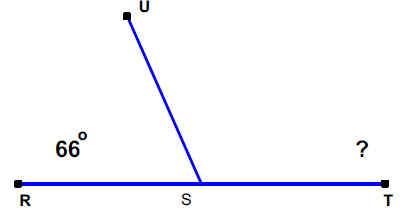
90 – 30 = 60o



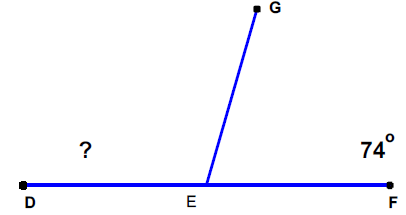
180 – 151 = 29o



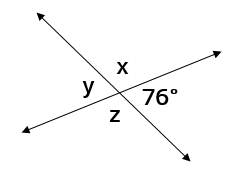
180 – 33 = 147o



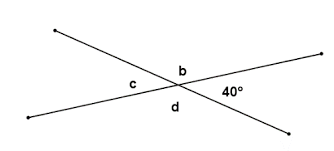
180 – 66 = 114o



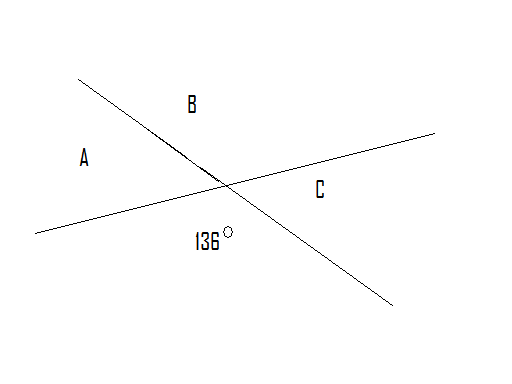
180 – 74 = 106o



x = 104o y = 76o z = 104o



b = 140o c = 40o d = 140o



A = 44o B = 136o C = 44o

Find the complement to a 47o angle.

**43o**

Find the supplement to a 59o angle.

**121o**

Find the supplement to a 105o angle.

**75o**

Find the complement to a 72o angle.

**18o**

Which of the following pairs of angles are complementary?

a.) 45o and 47o

**b.) 32o and 58o**

c.) 90o and 90o

d.) 66o and 114o

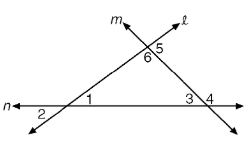
Which of the following pairs of angles are supplementary?

a.) 37o and 43o

b.) 74o and 95o

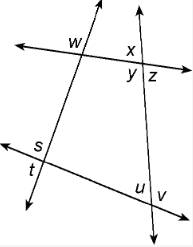
**c.) 28o and 152o**

d.) 180o and 180o

If line l ⊥line m, then which two angles are complementary?  


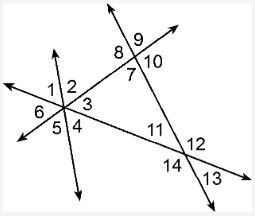
**5 & 6**

Name a pair of supplementary angles in the diagram shown below.



**x & y y & z s & t u & v**

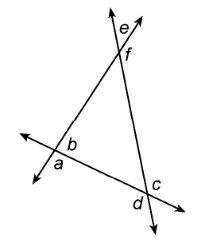
Name a pair of vertical angles in the diagram shown below.



**1 & 4 2 & 5 3 & 6 7 & 9**

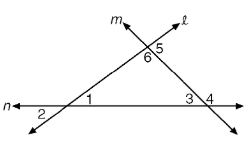
**8 & 10 11 & 13 12 & 14**

Name a pair of supplementary angles in the diagram shown below.



**a & b**

Use the diagram below to answer the following questions.



1.) Name a pair of vertical angles.

**1 & 2 3 & 4**

2.) Name a pair of supplementary angles.

**3 & 4 5 & 6**

3.) Name a pair of adjacent angles.

**3 & 4 5 & 6**